ABSTRACT

The present invention aims at improving the usability of recording media and providing efficient read and write processes. A header control portion 53 generates a header arranged at the beginning of a file. A footer control portion 52 generates a footer arranged at the end of the file. A filler control portion 54 generates a filler so that the data amount of a body, the header, or the footer of the file corresponds to an integral multiple of an ECC block on an optical disk by adding the filler to the body, the header, or the footer. A KLV encoder 55 KLV-encodes a filler for the body according to the KLV structure. The present invention can be applied to a disk apparatus that records video data or audio data on optical disks.